Line Tara , signiff of the heart at the contract

# SCIENCE AND INVENTION.

## Work of the World's Busy Brains in Discovering, Inventing and (By Alva L. Reynolds, Los Angeles, Cal.) Creating.

The Patent Office has been making records right along. A few weeks ago It announced that a total issue of about 800 patents, reissues, trade-marks, etc., in one week surpassed anything in the previous history of the Bureau. Last week, however, the Bureau went far ahead of this record, with a total of 1,026 patents, reissues, trade-marks, labels, prints and designs. The Patent people modestly say that not to them, but to the prosperity of the country, is all the glory, for if the people were not doing so well they would not be so anxious to take out patents and secure privileges.

The Dominion Government is preparing to adopt the metric system, and Prof. J. C. McLennan, of the University of Toronto, has been assigned to duty for the next year to explain the system in a series of lectures in all the leading cities in Canada. The Canadian Government hopes to secure the adoption of the metric system as a means of facilitating trade with the other British Colonies and with foreign nations The Board of Trade have begun adopting resolutions asking the Government to make the system compulsory.

Siemens and Halske, the noted enhave invented a pen made from tanta- firmly. lite, which is practically indestructible. Sheets of tantalite are the hardest of known metals, and a pen made from them is said to be harder, yet more mixed with camphor and castor oil. elastic, than one of steel, and more pliable than the gold nib.

Last week Cyrus C. Shigley, Hart. Mich., obtained a patent for a complicated magazine phonograph, which has a number of record rolls carried on a wheel. A description of this phonograph occupies nearly 14 columns of the Patent Office Gazette.

J. Elster and H. Geitel, two German chemists, have found that rock salt is an effective screen against the X-rays and thus against radium. It is impervious to gases, absorbs the rays and has a very slight radio-activity of its

Robert W. Cornelison, Bloomfield, N. J., has received a patent for a water- parts of potassium bichromate. color composition consisting of water, starch, gum-tragacanth, glycerine, alcohol and beta-naphthol which will carry a suitable coloring matter.

Michel Naletoff, St. Petersburg, Rusthe Patent Office Gazette shows that
sia, last week received a patent for a

some man has devised a new and imsome man has devised a new and imseparate control and attached to the
separate control and attached to the separate control attached to the separate c boat. It would seem that what Russia wants is not war vessels, but men who can give a good account of them in battle.

The open Winter is supposed to favor the restoration of the quail to replace thing previously devised. those which were lost by the severity of the preceding Winter. There was plenty of food in sight for the quail during the whole Winter.

The electric sleigh seems to have arrived. Several types are in operation and one by Temple and Redmond, of Springfield, O., makes easily 35 miles an hour on snow and 90 miles on ice.

Electricity has been brought into the manufacture of wire fencing. One strand of wire is systematically crossed by another strand of wire and the two welded together by electricity.

There is about one milking machine a week patented. Last week's was to Daniel Klein, of West Chester, Pa. It has the usual air-pump arrangement.

"Veneered cotton" is the latest idea in cloth making. The cotton yarn is covered with a thin pellicle of wool.

There were five non-refillable bottles patented last week.

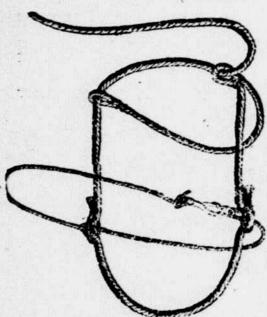
### Work of the Patent Office. For the week ended April 3, 1906,

the Patent Office issued 596 patents, 10 1,026, or the greatest number ever is- adapted to be connected to a grading, sued in any other week by the Patent ditching or wagon-loading machine.

Office. Of these 526 patents and 404 trade-marks went to citizens of the United States and 80 patents and 14 trade-marks to citizens of foreign coun-

Halter.

William J. Smouse, Cedar Rapids, Iowa, has received a patent for a halt-



er. It is made of rope, but the arrangement is novel and supposed to have more than usual efficiency. Wristlet.

William E. Wolff, New York, N. Y. has received a patent for a wristlet



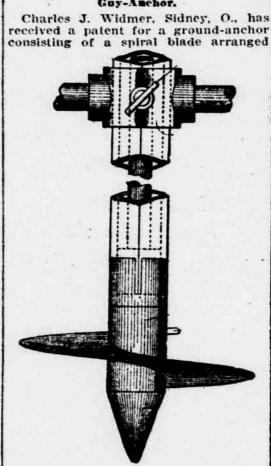
entrance of air or dust

Henry A. House, Bridgeport, Conn., has patented a chain of sheet-metal loop links with angular-shaped ends



blades to contact with the ends and

Guy-Anchor.



can be worked into the ground by a do, but upon what has already been tleship, which might be sunk by any with loud cheers, and with a run, when

Explosive Compound.

Milton S. Talbot, Durban, Natal, received a patent last week for an explosive containing an alkaline chlorate

THE AERIAL ROWBOAT. New Air Boat Propelled by Oars Which A New Type of Torpedo Boat From Imitate Motion of a Bird.

was born and perfected.

THE DESTROYERS. ARMY OF THE Which Great Things Are Expected.

The torsed boat destroyers are in-

(Continued from page 1.)

from 10 o'clock until 4. The remnants

of Sherman's, McClernand's, W. H. L.

Wallace's, Hurlbut's and Prentiss's Di-

In the meanwhile Gen. Wallace, with

There is a disagreement between Gen.

Buell's statement and that of Gen.

else, I gathered up a couple of the reg-

Gen. Buell denies that Gen. Grant

completed the Confederate ruin and

made himself the idol of the hour as

Crittenden. Woods's Division was ar-

"The enemy had hardly started in

"Gen. Grant has recently admitted

hat a pursuit ought to have been made

and vaguely intimates that somebody

else than himself was responsible that

his letter to me is, of course, insuffi-

my command as though the whole duty of the occasion rested upon it. There

(To be continued.)

it was not done. The reason given in

Buell says:

nis division, was pushing forward

o give ground rapidly.

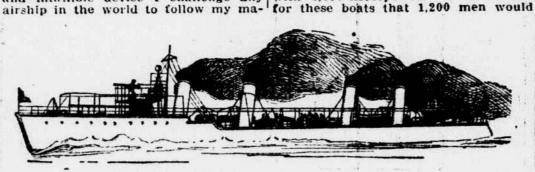
The End of the Battle,

of Sherman's camp.

Sherman's camp."

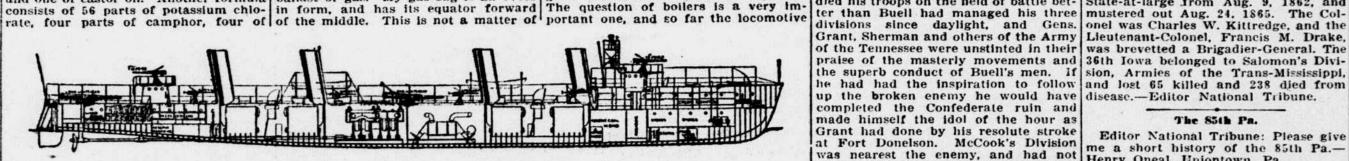
Gen. Grant says:

The illustration shown in Fig. 1 is a every way upon the torpedo boats in fair representation of my "Man-Angel" their greater stability and ability to into the neighborhood of McClernand's flying-machine in the act of flight. It keep the sea and make long runs, the camp, where obstinate fighting went on has been given the name of "Aerial in destructive power against an ene-Rowboat" by those who have judged my's fleet. In the first place, their it simply from the standpoint of ap- skins are very much thicker than those pearances. I have been frequently of the torpedo boat, being of %-inch asked why I gave my invention the iron. This is as thick as can be well name "Man-Angel," many people seem- molded in the delicate lines necessarily ing to think it bordered on the sacri- given to these swift boats. By a proper legious. I gave it that name as sym- manipulation the 1/4-inch iron is made bolical of my home city, Los Angeles- very strong indeed. When it first comes Ciudad de Los Angeles (the original Spanish name), which translated is "City of the Angels," where the idea "leveled" and planished its structural strength greatly increases and it be Fig. 2 shows "Man-Angel" as it is comes quite stiff. The destroyers are leaving Chutes Park. Los Angeles, on Aug. 10, 1905. The position of the feet, and the horsepower of their enwings shows the operator in the act of gines is enormous for their size, being last decided stand in front of this dierans and recruits transferred to the turning the machine around. From from 3,700 to 4,800. Much inaccuracy the two pictures one can gain a fair has appeared in the papers as to the idea of the simplicity of the means by speeds obtained by these craft, but the which I accomplish aerial navigation highest in the world was by the Britfull and complete. With this simple ish ship Boxer, which made 29.1 knots and infallible device I challenge any with 4,490-horsepower. It is claimed



TORPEDO-BOAT DESTROYER.

chine, and I do not base my challenge be better utilized in them than in putabove the point of the anchor which on what I expect to do, nor what I can ting the same number on a large batgineers of Berlin, announce that they rotary motion and hold the anchor done. Not only have greater feats been one of these vessels. If four of them the last of the enemy broke. accomplished with the "Man-Angel" went against a big battleship certainly than with any other air device, but it one would hit and sink her. The four did any such thing as is represented. has been done at a fraction of the cost destroyers would carry only one-fourth incurred in building other machines. of the battleship's crew and cost but It is the only machine in the world one-fourth of her expense. These ves-that flies heavier than air, or lighter, sels are armed with guns of the highest The exact proportions are 14 parts of at the will of the operator, and can piercing power, as well as torpedoes, potassium chlorate, one of camphor ascend or descend without discharging and their draft is but five feet, which and one of castor oil. Another formula ballast or gas. My gas-bag is an ovoid gives them immunity from torpedoes. consists of 56 parts of potassium chlo- in form, and has its equator forward The question of boilers is a very im-



SECTIONAL VIEW, SHOWING ARRANGEMENTS OF TORPEDO-BOAT DESTROYERS.

Length, 245 feet. Breadth, 23 feet, 271/4 inches. Draft, 6 feet, 6 inches. Displacement, 420 tons. Contract speed, 29 knots. Bunker capacity, 139 tons. Armament: Two long 18-inch Whitehead torpedo tubes; two 3-inch R. F. guns; five 6-pounders. Complement, 73.

combination tolot which

ables the operator to produce all the

The exertion of the operator is very

much the same as that of rowing a

motions of the bird's wing.

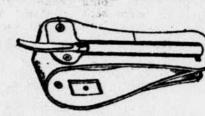
It seems incredible that all the possible shapes and modes of twisting wire



portant modification. Mortimer M. Baird, Scranton, Pa., is the latest pat-entee with a hook that is claimed to have peculiar advantages over any-

Husking Peg.

John H. Akin, Ames, Iowa, has patented a husking peg made of a me-

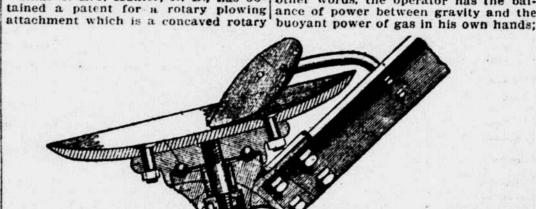


in which the peg slides. Rotary Disk Plow.

tallie strip with a split tubular socket

ROWING IN THE AIR.

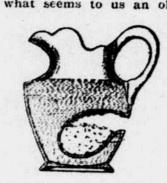
tent that it can be imitated with the aid of gas. It can be operated close to the ground or high in the air, absolutely at the will of the operator. In Elias C. Erb. Hunter, N. D., has ob- other words, the operator has the bal-



designs, 377 trade-marks, 36 labels, five disk with anti-friction devices and a but let it be understood that I do not

Ice Pitcher.

Joseph Krakauer, New York, N. Y.,



n a patent for an ice pitcher, which has a pocket opening to the outside in protect my rights it will be necessary

Wave Motor.

Charles E. Newell, San Francisco, Cal., has taken a shy at the wave-motor

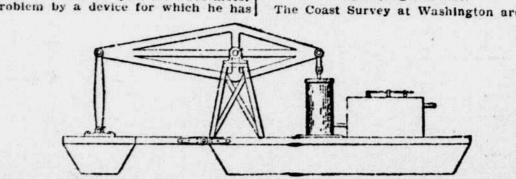
prints, two reissues, making a total of moldboard scraper fitted to it. It is claim to do anything unnatural or im-

and many things it cannot, it has perormed no miracle. In my invention I have simply followed natural laws and clock are on the brass strip, and that reinstated in their camps, and that in 1865, with the 52d Ind. The Colonel accomplished aerial navigation in the most primitive and natural way possible. I do it with two wings, and use less than half the way of any girship. The contact with the contact post less than half the way of any girship. less than half the gas of any airship may be of quarter-inch copper tubing ble." on record, and am working toward the or quarter-inch brass rod. elimination of gas as fast as possible. That is, the more expert the operator becomes the smaller will be the gas- in bed, by having the switch on the bag he will need to aid him in his baseboard, near the bed, so it can be

it has the following points of superiority: It is noiseless, infallible, economical and simple, and anybody of ordinary intelligence and physical ability can learn to operate it. In order to which the ice is held and prevented for you to state in connection with the from diluting the liquid in the pitcher.

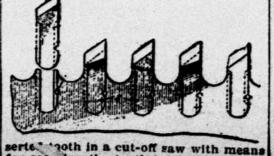
Wave Motor. cipal foreign countries.

A Prophesying Machine.



and work a pitman which will compress

air in a tank for power purposes. Inserted Saw Tooth.



for sec. og the tooth in the saw.

which fastens close around the wrist William S. McLean, Vancouver, Canand also over the cuff to prevent the ada, has received a patent for an in-

Paste for Papering Painted Walls.

To make wall paper stick to painted walls, prepare a batter of flour and water in the usual manner, only a little thinner, and for each gallon of batter add one ounce powdered rosin. Set the kettle on a moderate fire and stir until it boils and thickens, and the rosin is melted into the paste.

When cool, thin down with a weak solution of gum arabic.

Completed and the feasibility of a 14-foot waterway from Chicago to St. Louis has been established.

Therefore, it is asked that Congress appropriate \$31,000,000 to complete a 14-foot waterway from Chicago to St. Louis in conformity with the survey.

Science Notes.

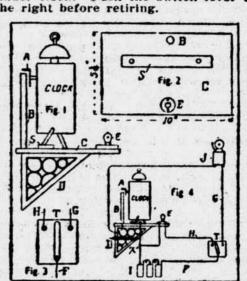
An English exchange reminds its readers that a piece of unslaked lime kept in a gun-case will absorb every particle of moisture that enters.

or so of the fight. It is incomprehencastor oil, eight parts of burnt umber. taste, as may be supposed, but is one boilers have given the best results, ex- sible why Buell did not at least push four parts of manganese dioxid and 12 of the scientific and essential features of cept that the ends of the tubes would McCook and Woods forward a few my machine. Any object of this form not remain tight. The water-tube boil- miles. As to this there is an irreconif thrown through the air will always ers have also shown excellent results, cilable dispute between Grant and go big end first. It is this feature that but they are not as economic in coal Buell. Grant says: renders my machine self-dirigible and consumption as the locomotive boilers, self-balanced, and is one of the rea- which give one-horsepower for 1.33 retreat from his last position, when, sible shapes and modes of twisting wire into hooks and eyes have not long ago been exhausted, but almost every week no motor or other unnecessary mabeen exhausted, but almost every week chinery; simply two horizontal pro- water-tube boilers.

The illustrations show an alarm clock have been had they been going on patric light to show the time. The parts halted, and the commanding officer, indicated are as follows: A, key of alarm clock: B, contact post, four inches long; C, shelf, 5 % by 10 inches; D, bracket and three and they were work out with marchia and the commanding officer.

Came near where I was standing it was dianapolis from Aug. 11, 1862, and mustered out June 10, 1865. The first Colonel was Kline G. Shyrock, who resigned and was succeeded by Col. New-line long; C, shelf, 5 % by 10 inches; they were work out with marchia and the commanding officer.

Colonel was Kline G. Shyrock, who resigned and was succeeded by Col. New-line long; C, shelf, 5 % by 10 inches; they were work out with marchia and the commanding officer. D, bracket a sectile bulb (three and they were worn out with marching and the war and was brevetted a Brigadiera half voltage brass strip, four and fighting. This division had marched on General, with Lieut.-Col. Edwin P. inch wide and one-sixteenth inch thick; east of Savannah, over bad roads. The T, switch; F, wire from batteries to men had also lost rest during the night switch; G, wire from bell to switch; while crossing the Tennessee, and had H, wire from light to switch; I, dry been engaged in the battle of the 7th. batteries: J. bell: X, point where a It was not, however, the rank and file splice is made from the light to wire or the junior officers who asked to be leading to batteries from brass strip excused, but the division commander." under clock. Push the switch lever to the right before retiring.



To operate this, set alarm key as was not doubt in my mind or hesitashown in diagram, after two turns have tion in my conduct as to the propriety been made on the key. When alarm of continuing the action, at least as my subscription to The National Tribgoes off, it turns till it forms a connection as the enemy was in our presence, the contact post and as I considered him still to be; and I to let expire as I cannot get along starts the electric bell ringing. Throw make no attempt to excuse myself or lever off from the right to center, which blame others when I say that Gen. Ichnes of the 50th Ind.?—Capt. J. H. stops bell ringing. The bell is then Grant's troops, the lowest individual Johnson, Co. K. 50th Ind., R. F. D. 1 While the "Man-Angel" can do any- cut out, but the light remains on till among them not more than the comthing that the modern airship can do, lever is again thrown in the center. In placing clock on shelf, after set-that the object of the battle was suffile. The 50th Ind. was organized at Seymour, Dec. 31, 1861, and the non-vetting alarm, be sure that the legs of ciently accomplished when they were erans and recruits consolidated May 26,

The advantage of this is that one can control the bell and light, while lying reached without getting out of bed .-For military or observation purposes Contributed by Geo. C. Brinkerhoff,

A GREAT SHIP CANAL.

Proposition to Make a Deep Water-Stomach trouble is not really a sickness, but a symp way Between Chicago and St. Louis. tom. It is a symptom that a certain set of nerves is The bill introduced by Representa- alling. Not the voluntary nerves that enable you to one; was dismissed, and Col. Matthew R. tive Lorimer, and which is now under NERVES over which your mind has no control. consideration by the Committee on Riv-

ers and Harbors, recites as a preamble tiny nerves control and operate the stomach. How that the Mississappi Valley is the larg- worry breaks them down and causes indigestion. How est and richest of all the valleys of the misuse wears them out and causes dyspepsia. How known world; that it is capable of producing more from its mines, fields and forests than any other similar area of land upon the face of the earth; that its development, is retarded from the years in perfecting-now known by physicians and need of cheap transportation; that wa-ter is the cheapest transportation (Tablets or Liquid.) I have not room to explain how known; that Chicago has constructed this remedy, by removing the cause, usually puts a the largest ship and drainage canal in the world, which will eventually cost nia, aervousness, dyspepsia. All of these things are \$75,000,000; that the canal is capable fully explained in the book I will send you free when The smaller and lighter one is intended to respond to the action of the waves
ed to respond to the action of the waves
and work a nitron which will compare the property of was invented by Prof. William Ferrell, Mexico; that this improvement will who presented it to the Government.

It predicts the time of high and low River; that the completion of the Isth-Rate with those along the Mississippi River; that the completion of the Isth-Rate with those along the Mississippi River; that the completion of the Isth-Rate with those Rock for Men Book 6 on Rheumatical River; that the completion of the Isth-Rate with those Rock for Men Book 6 on Rheumatical River; which the reservoir and reser Book 2 on the Heart Book 3 on the Kidneys

Editor National Tribune: Please give CUMBERLAND a short history of the 17th Wis., in which command I seryed.—Herman North, Fall River, Kanthe other two divisions, and pushed

The 17th Wis. was organized at Madison from Feb. 25, 1862, and mustered out July 14, 1865. The first Colonel was John L. Doran, who resigned and was succeeded by Adam G. Malloy, who was in command when the regiment was mustered out, and brevetted a visions fought alongside McCook's, and Brigadier-General. It belonged to Macfinally McClernand's camp was cleared Arthur's Division, Seventeenth Corps, and Lew Wallace drove the enemy out and lost 41 killed and 228 died from disease .- Editor National Tribune.

The 12th Ohio.

strongly on the right, so that every where the enemy was being compelled Editor National Tribune: Please give a short history of the 12th Ohio, and greatly oblige—John Potter, Addison

The 12th Ohio was organized at Camp Dennison from June 19, 1861, and mus-Grant as to how the battle ended. Gen. Buell says that "the enemy made his tered out July 11, 1864, with the vetvision (McMook's) in the woods beyond 23d Ohio. The first Colonel was John W. Lowe, who was killed in West Virginia, and succeeded by Carr B. White "The last point held by him was near who was mustered out with the regithe road leading from the Landing to ment. It belonged to the Kanawha Di Corinth on the left of Sherman and vision. Armies of West Virginia, and right of McClernand. About 3 o'clock, lost 96 killed and 79 died from disbeing near that point and seeing that ease.—Editor National Tribune. the enemy was giving away everywhere

The 5th Tenn. Editor National Tribune: Please give

iments, or parts of regiments, from troops near by, formed them in line short sketch of the 5th Tenn.-Danof battle and marched them forward, iel J. True, Carp, Tenn. going in front myself to prevent pre-The 5th Tenn, was organized at Barboursville, Ky., and Harrison, Tenn.,
from February, 1862, and mustered out
June 30, 1865. The first Colonel was
June 30, 1865. The first Colonel was nature or long-range firing. At this point there was a clearing between us and the enemy favorable for charging. although exposed. I knew the enemy James T. Shelly, who resigned, and hard, lumpy pads, and yet it holds the Mai. David G. Bowers was in command rupture safely and firmly without pain were ready to break, and only wanted a little encouragement from us to go quickly and join their friends who had when the regiment was mustered out. started earlier. After marching to It belonged to Cox's Division, Twentywithin musket range, I stopped and let third Corps, Army of the Ohio, and lost 41 killed and 205 died from disthe troops pass. The command, ease.-Editor National Tribune. "Charge," was given, and was executed

The 36th lows.

Editor National Tribune: Please give short sketch of the 36th Iowa. I

Grant, Sherman and others of the Army Lieutenant-Colonel, Francis M. Drake, of the Tennessee were unstinted in their was brevetted a Brigadier-General. The praise of the masterly movements and 36th Iowa belonged to Salomon's Divithe superb conduct of Buell's men. If sion, Armies of the Trans-Mississippi, he had had the inspiration to follow and lost 65 killed and 238 died from up the broken enemy he would have disease.-Editor National Tribune.

> The 85th Pa. Editor National Tribune: Please give

Grant had done by his resolute stroke at Fort Donelson. McCook's Division ne a short history of the 85th Pa.was nearest the enemy, and had not Henry Oneal, Uniontown, Pa. been as strongly engaged as Nelson and The 85th Pa. was organized at Uniontown from Oct. 16, 1861, and mustered riving on the field, and therefore out Nov. 22, 1864, with the veterans available for pursuit, having been but slightly engaged in the last half hour and recruits transerred to the 188th Pa. The first Colonel was Joshua B. Howell, who died near Petersburg from injuries received from a fall from his horse. Lieut.-Col. Edward Campbell

from disease.-Editor National Tribune.

was in command when the regiment

was mustered out. It belonged to Ter-

ry's Division, Tenth Corps, Army of the

The 87th Ind. review. The commander was at the ed to be disposed about as they would National Tribune.-O. M. Shore, Uni

versity Place, Neb. The 87th Ind. was organized at Inquarter inches long, three-eighths the 6th from a point 10 or 12 miles Hammond brevetted Colonel. Maj.

The 13th Mo. Cav.

Editor National Tribune: Please publish in your valuable paper a short lige-James M. Shearer, Locust Hill, killed and 18 died from disease.-Ede

cient. Gen. McCook may have told him Mo. that his men were hungry and tired; The 13th Mo. Cav. was organized of but if the order had been issued both the veterans of all the Missouri Militia McCook and his troops would cheerful- regiments in September, 1864, to serve y have shown how much tired and their unexpired terms of service, and hungry soldiers can do when an emer- were mustered out beginning Jan. 11, gency demands it. If Gen. Grant meant 1866. The first Colonel was Edwin C. to imply that I was responsible that Catherwood, who resigned, and was the pursuit was not made, I might per- succeeded by Col. Austin A. King. who haps answer that it is always to be ex- was discharged Jan. 11, 1866, and Maj. pected that the chief officer in com- John E. Mayo was in command when mand will determine the course to be the regiment was mustered out. It bepursued at such a juncture, when he is longed to the cavalry of the Armies of immediately upon the ground; but I the Trans-Mississippi, and lost 11 killed inwardly imposed upon myself the ob- and 28 died from disease.-Editor Naligation of employing the army under tional Tribune.

The 50th Ind. Editor National Tribune: I renewed

The 50th Ind. was organized at Seytion. It belonged to Kimball's Division, Sixteenth Corps, Army of the Tennesee, and lost 57 killed and 161 died from disease.-Editor National Tribune.

The 138th Pa. Editor National Tribune: Please give a short history of the 138th Pa.—Jo-seph Cobler, Co. F, 138th Pa., Charles-

The 138th Pa. was organized at Harrisburg from Aug. 16, 1862, and mustered out June 23, 1865. The first Colalling. Not the voluntary nerves that enable you to onel was Charles L. K. Sumwalt. who McClennan was in command when the regiment was mustered out, and brevetted a Brigadier-General. It belonged to Colonel was William E. Miller, who Ricketts's Division. Sixth Corps, Army was succeeded by Col. John Connell, and of the Potomac, and lost 96 killed and

> The 27th Mich. on April 2, 1865. Editor National Tribune: Please give me the casualties of the 27th Mich. on April 2, 1865 .- J. H. Linck, Co. E, 207th Pa., Williamsport, Pa.

From March 29 to April 9, 1865, the 27th Mich, lost two killed and 10 rounded .- Editor National Tribune.

The 48th, 83d and 79th Oblo. Editor National Tribune: Please give hort histories of the 48th, 83d and

The 48th Ohio was organized in the State-at-large from September, 1861, and mustered out Jan. 17, 1865. The first Colonel was Peter J. Sullivan. who delicate to a degree not easy to describe, and makes the predictions of the tides which are issued every year by the Survey in a book of tables.

Dr. Shoop's Restorative Tablets—give full three Job R. Parker, who was in command weeks treatment. Each form—liquid or tablet—bave equal merit. Druggiats everywhere.

Dr. Shoop's Restorative Tablets—give full three Job R. Parker, who was in command ment each day, looking up cases; will weeks treatment. Each form—liquid or tablet—bave equal merit. Druggiats everywhere.

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Dr. Shoop's Restorative Tablets—give full three Job R. Parker, who was in command ment each day. looking up cases; will weeks treatment. Each form—liquid or tablet—bave equal merit. Druggiats everywhere.

Dr. Shoop's Restorative Tablets—give full three Job R. Parker, who was in command to the day. looking up cases; will weeks treatment. Each form—liquid or tablet—bave equal merit. Druggiats everywhere.

The 48th Ohio belonged to A. J. Smith's be increased. Now write him. the Tennessee and Gulf, and lost 57 killed and 123 died from disease.

The 83d Ohio was organized at Camp Dennison in August, 1862, and consolidated with the 48th Ohio Jan. 17, 1865. The Colonel was Frederick W. Moore, who was brevetted a Brigadier-General. It belonged to A. J. Smith's Division, Thirteenth Corps, Armies of the Tennessee and Gulf. and lost 56 killed in battle and 163 died from disease.

The 79th Ohio was organized at Camp

Fit-Adjustable to Any Size Person-Easy, Comfortable, Mever Elips, No Obnexious Springs or Pads—Costs Less Than Many Common Trusses—Made for Men, Women or Children.

Sent on

that I can safely say, by 20 years' ex-perience in the rupture business, is the only one that will absolutely hold the



C. E. Brooks, the Inventor.

or inconvenience. I have put the price so low that any person, rich or poor, can buy, and I absolutely guarantee it.

I make it to your order—send it to you—you wear it, and if it doesn't antisfy you send it back to me and I will refund your money.

That is the fairest proposition ever made by a rupture specialist. The banks or the Postmaster here in Marshall will tell you that is the way I do business—

tell you that is the way I do business-always absolutely on the square.

As the enemy retired from the field there was no show of pursuit. It was here that Buell showed his limitations. Up to this point his generalship had been magnificent. No man ever handled his troops on the field of battle better than Buell had managed his three divisions since daylight, and Gens. Grant, Sherman and others of the Army C. E. Brooks, 1634 Brooks Bldg., Marshall, Mich.

> Dennison from Aug. 20, 1862, and mustered out June 9, 1865. The Colonel was Henry G. Kennett, who resigned, and Lieut.-Col. Azariah W. Doan was in command when the regiment was mustered out. It belonged to Ward's Division, Twentieth Corps, Army of the Cumberland, and lost 54 killed and 92 died from disease.-Editor National Tribune.

> > The 75th Ind.

Editor National Tribune: Will you kindly give a short history of the 75th Ind. in The National Tribune?-H. F. West, Co. F. 75th Ind., Myrtle Creek,

The 75th Ind. was organized at Indianapolis, Aug. 19, 1862, and mustered James, and lost 97 killed and 150 died out June 8, 1865. Col. Milton S. Robinson, who organized it, resigned March 29, 1864, and Lieut.-Col. William O'Brien was in command when Editor National Tribune: Please give the regiment was mustered out. It short sketch of the 87th Ind. in The belonged to Baird's Division, Fourland, and lost 44 killed and 188 died from disease .- Editor National Trib-

The 3d Kan. Battery.

Edtor National Tribune: Will you kindly give me the history of the 3d Kan. Battery, and oblige—S. Boyles, East Spokane, Wash.

The 3d Kan. Battery was organized Richard C. Sabin was brevetted Lieu- at Fort Leavenworth in the Fall of tenant-Colonel. It belonged to Baird's 1861 as Co. B, 2d Kan. Cay, and Division, Fourteenth Corps, Army of changed to Light Artillery Oct. 1, 1863. the Cumberland, and lost 91 killed. It was mustered out Jan. 19, 1865. among whom were 10 officers, and 192 Capt. Henry Hopkins was promoted to died from disease.-Editor National Major, 2d Kan. Cav., and succeeded by Capt. John F. Aduddell, who resigned, and First Lieut. Bradford S. Bassett was in command when the battery was mustered out. It belonged to Blunt's Division of the Armies of sketch of the 13th Mo. Cav., and ob- the Trans-Mississippi, and lost two itor National Tribune.

The 7th Ind.

Editor National Tribune: Please give short history of the 7th Ind. in The National Tribune.-Dr. D. H. Miller, Franklin, Ind. The 7th Ind. was organized at In-

dianapolis, Sept. 13, 1861, and mustered out Sept. 20, 1864. The first Colonel was Ebenezer Dumont, who was promoted to Brigadier-General and succeeded by Col. James Gavin, who was discharged and succeeded by Col. Ira G. Grover, who was mustered out with the regiment. Private John N. Opel received a Medal of Honor. The 7th Ind. belonged to Wadsworth's Division of the First Corps, and lost 116 killed and 113 died from disease .- Ed-

itor National Tribune.

The 37th Ind. Editor National Tribune: Will you please give in your valuable paper a short history of the 37th Ind.?-Joseph Vandolah, Co. F, 37th Ind., Kahoka,

The 37th Ind. was organized at Lawenceburg from Oct. 8, 1861, and mustered out July 25, 1865. The first Colonel was George W. Hazzard, of the Regular Army, who was discharged, and succeeded by Col. Carter Gazlay, who was dismissed, and succeeded by Col. James S. Hull. It belonged to Johnson's Division, Fourteenth Corps, Army of the Cumberland, and lost 85 killed and 141 died from disease .- E1itor National Tribune.

Editor National Tribune: Please give a short history of the 28th Iowa. I was a member of Co. K .- John Berg-

State-at-large from July, 1862, and mustered out July 31, 1865. The first Lieut.-Col. Bartholomew W. Wilson 71 died from disease.-Editor National was in command when the regiment was mustered out. It belonged to Grover's Division, Ninteenth Corps, and lost 82 killed and 189 died from disease.-Editor National Tribune.

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MARSHALL, ELLIS & CO., 79th Ohio. -T. J. McCune, New Vien- 306 Railway Exchange Bldg., Denver, Colo